

Request for Reconsideration

In response to the Office Action dated August 1, 2003, Applicants request reconsideration and allowance of this application in view of the following remarks.

Claims 1-3, 6-12, 15, 17-20, and 25 are pending in this application, with Claims 1 and 25 being independent.

Claims 1-3, 6-12, 15, 17-20 and 25 stand rejected under 35.U.S.C. §102(b) as being anticipated by Andrei State (Superior Augmented Reality Tracking, July 1996, page 429-438). Applicants respectfully traverse this rejection for the reasons discussed below.

As recited in independent Claims 1 and 25, the present invention includes, *inter alia*, the feature of a correction unit (or step) to correct a parameter of a measured position and orientation of a capture unit based on an average value or an average weighting value of the positions of feature points on an image pickup screen of the capture unit obtained by a prediction unit, and based on an average value or average weighting value of the position of feature points obtained by a detection unit. According to this feature, since the parameter is corrected based upon an average value or an average weighting value of the positions of the feature points, rather than the plurality of positions of the feature points, high-speed processing can be realized. Further, a more precise parameter can be obtained in comparison to a method of calculating a parameter using only one feature point, since the average value or average weighting value of positions of a plurality of feature points are used.

Applicants submit that the State, et al. document fails to disclose or suggest at least the above-mentioned feature of the present invention recited in Claims 1 and 25. That document discloses calculating camera parameters using a plurality of landmarks.

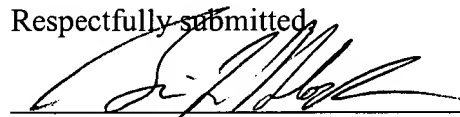
However, it fails to disclose or suggest at least the feature of correcting a parameter using an average value or an average weighting value of the positions of a plurality of feature points, as recited in Claims 1 and 25. In this regard, the Examiner's attention is directed in particular to section 7, "Head Pose Determination," and in particular to sections 7.2 and 7.3 of State, et al., which Applicants believe clearly illustrate that the State, et al. document fails to disclose or suggest at least the above-mentioned feature of Claims 1 and 25.

For the foregoing reasons, Applicants submit that the present invention recited in Claims 1 and 25 is patentable over the cited art. The dependent claims are patentable for at least the same reasons as the independent claims, as well as for the additional features they recite.

In view of the foregoing, Applicants submit that this application is in condition for allowance. Favorable reconsideration, withdrawal of the outstanding rejection, and an early Notice of Allowance are sought.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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